

Patent Claims

1. A communications system for signaling apparatuses
5 (3) at an airport, with the communications system having, as system components (2, 3) at least one central communications apparatus (2) and a number of signaling apparatuses (3), with the communication between the system components (2, 3) taking place via
10 one or more circuits by means of which the signal apparatuses (3) are supplied with power, characterized in that the communication between the system components (2, 3) is distributed in a delineated frequency range over a number of frequency bands.
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2. The communications system as claimed in patent claim 1, characterized in that the communication is subdivided into time slices.
- 20 3. The communications system as claimed in one of the preceding patent claims, characterized in that a frequency range between 10 kHz and 150 kHz is used for communication.
- 25 4. The communications system as claimed in one of the preceding patent claims, characterized in that up to ten frequency bands are used for communication.
- 30 5. The communications system as claimed in one of the preceding patent claims, characterized in that up to five time slices are used for communication.

6. The communications system as claimed in one of the
preceding patent claims,
characterized in that the OFDM method is used for
5 communication.

7. The communications system as claimed in one of the preceding patent claims,
characterized in that at least one central
5 communications apparatus (2) and a number of signaling
apparatuses (3) are connected via a series circuit.

8. The communications system as claimed in one of the preceding patent claims,
10 characterized in that at least one central
communications apparatus (2) and a number of signaling
apparatuses (3) are connected via a parallel circuit.

9. The communications system as claimed in one of the preceding patent claims,
15 characterized in that at least one decentralized
communications apparatus (5) is allocated to at least
one signaling apparatus (3), and can be used to measure
the reception quality of communications signals.

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10. The communications system as claimed in one of the preceding patent claims,
characterized in that at least one decentralized
communications apparatus (5) is allocated to at least
25 one signaling apparatus (3) and can be used to
preprocess its communication signals.

11. The communications system as claimed in one or more of the patent claims,
30 characterized in that the decentralized communication
apparatuses (5) form an adaptive system. .

12. The communications system as claimed in one of patent claims 9 to 11,
35 characterized in that

communication paths are determined dynamically with the assistance of the measured reception quality.